



Environmental Leader Facility

AIR PRODUCTS AND CHEMICALS

St. Gabriel, LA



The facility, located near St. Gabriel, is the largest higher amines manufacturing plant in the world and employs some 100 individuals. Two types of higher amines are produced: ethylamines, and isopropyl amines. These materials are used as intermediate products in the manufacture of herbicides, corrosion inhibitors, and oil additives.

Pollution Prevention Highlights

- 1997 - Installed new high discharge pressure pumps with double tandem mechanical seals to eliminate ammonia emissions.
- 1996 - Installed new vacuum pumps to route the vents from two MIPA storage tanks back to the process. The project not only resulted in yield improvement, but also freed up wastewater treatment capacity.
- 1996 - Converted four 75,000 gallon storage tanks from fixed roof to floating roof construction resulting in significant reductions in VOC and ammonia emissions.

Pollution Prevention Goals

WASTE STREAM	BASELINE YEAR	CURRENT YEAR QUANTITY	TARGET YEAR QUANTITY	COMMENTS
Ammonia (lbs/yr)	1993 19,713	2001 17,500	2002 13,100	Installation of floating roofs on tanks
N-Butanol (lbs/yr)	1993 84,588	2001 0	2002 0	
RCRA Wastes (lbs/yr)	1993 425,541	1998 321,142	2000 225,000	

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